



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3503 FAX (603) 271-5171



July 3, 2003

LETTER OF DEFICIENCY #WSEB 03-048
Certified Mail# 7099 3400 0003 0691 1239

Steve Gray
NH Department of Transportation
Bureau of Highway Maintenance
PO Box 483
Concord, NH 03302-0483

Subject Springfield - Public Water System: Springfield Rest Area (EPA# 2179010)

Dear Mr. Gray

The records of the Department of Environmental Services (DES) show that the Springfield Rest Area water system is classified as a public water system (PWS), as defined by RSA 485:1-a. A PWS is defined as any water system supplying 15 or more services, or 25 or more people for 60 or more days a year. As such, the PWS owner is required to submit chemical samples according to the system's established sampling schedule to the State Laboratory or a State-certified laboratory in compliance with NH Administrative Rule Env-Ws 326.

DES records show that the PWS has **exceeded the maximum contaminant level (MCL) for Nitrate** of 10.0 mg/L, as defined in Env-Ws 316.01. The Q2-2003 sample (averaged with the confirmation sample) was 10.9 mg/L. As a result a violation has occurred for the following compliance period:

Second Quarter (Q2) of 2003

DES believes the MCL violation can be corrected and future violations prevented by taking the following actions:

Immediately cease use of the system's water for human consumption until the nitrate violation is resolved. Alternate (*i.e.* bottled) water may be provided to your consumers; however, if bottled water is used, the source must be an approved source, monitored in accordance with Env-Ws 389; and

Immediately provide public notice of the exceedance following the guidelines in the enclosed public notice handout. (A public notice template was faxed to Alan Hanscom on July 2, 2003. As such, DES acknowledges that this item may already have been completed.) Provide proof of public notice to this office within 10 days of issuing the public notice. Continue providing public notice for as long as the exceedance occurs; and

- 3 **By July 11, 2003**, send written confirmation to DES that the system's water is not being provided for human consumption; and
4. **By July 31, 2003**, retain the services of a qualified consultant to address the water quality violation and notify DES, in writing, of the name of the consultant hired. The consultant

should review all existing water quality data prior to making recommendations for correcting the MCL violation; and

5. **By August 31, 2003**, submit to DES the consultant's report, which shall contain the consultant's recommendations, along with an implementation schedule to correct the MCL violation. A maintenance schedule must be included if treatment is proposed. DES must approve the consultant's report/recommendations, the maintenance schedule, and the proposed implementation schedule prior to any work being done on the system; and
6. By the DES-approved correction date, correct the violation or install treatment as approved by DES. Notify DES in writing of the correction(s) taken; and
7. Sample in accordance with your Master Sampling Schedule, which is enclosed. **(Please note you must now submit quarterly nitrate samples.)**

In the event compliance is not achieved within this period, DES may take further enforcement action, including issuing an order requiring the deficiencies to be corrected, initiating an administrative fine proceeding and/or referring the matter to the NH Department of Justice for imposition of appropriate penalties.

The written report as requested above should be addressed as follows:

Alan Leach
Department of Environmental Services
Water Supply Engineering Bureau
6 Hazen Drive, PO Box 95
Concord, NH 03302-0095

Please contact Selina J. Makofsky by phone at (603) 271-4109 or email at smakofsky@des.state.nh.us, or Alan Leach by phone at (603) 271-2854 or email at aleach@des.state.nh.us should you have any questions about the requirements listed in this letter.

Sincerely,


COPY
Anthony P. Giunta, P.G., Administrator
Water Supply Engineering Bureau

h:\wseb\enfmon\enforce\lods\chemon\2003\2179010 mcl lod 03-048.nitrate.doc

Enc. Master Sampling Schedule
Nitrate Fact Sheet

cc: Gretchen Rule, DES Legal Unit (w/o enc.)
Willard Campbell, Owner's Representative
Philip Huntley, Sampling Agent
Thomas Duling, Town of Springfield Health Officer (w/o enc.)
Dave Gordon, DHHS Health Risk Assessment Bureau (w/o enc.)
US EPA, Region 1 (w/o enc.)